

ART 1 AND 2 MAINTENANCE NOTE 23 (for Electronics Technicians)

Maintenance, Logistics, and Acquisition Division

W/OPS12: KC

SUBJECT: ART I/2 Pylons Depot Repair Only – Field Repair Prohibition

PURPOSE: To provide direction to restrict the repair of ART 1/2 Pylons to the NWS Depot Activity and to prohibit field activities from repairing ART 1/2 Pylons.

EQUIPMENT AFFECTED: All ART systems in the CONUS, Alaskan, and Pacific regions.

PARTS REQUIRED: N/A

SPECIAL TOOLS REQUIRED: N/A

MODIFICATION PROCUREMENT: N/A

EFFECTIVITY: Immediately

ESTIMATED TIME REQUIRED: N/A

EFFECT ON OTHER INSTRUCTIONS: N/A

AUTHORIZATION: N/A

VERIFICATION STATEMENT: N/A

ART-1 Pylon (J170-1A1A2-1) and ART-2 Pylon (J170-1A1A2-2) Repair

The field has been repairing ART pylons for many years without using required precision alignment and balancing procedures. However successful these field repairs may seem at the time, they often fail prematurely.

These failures result in additional expensive components having to be replaced. Replacing the pylon motor or belt without using precision alignment and balancing procedures has frequently caused failure of main shaft bearings, motor bearings, all bearing journals, and precision housing bores.

NRC is contracting out pylon repairs with a vendor who has the proper equipment and knowledge to scientifically monitor the mechanical alignment and balance to minimize vibration. They have been very successful with the Pylons they have repaired.

Therefore, field repair of the pylons will not be attempted under any circumstances.

Pylon Recovery

To ensure that spare pylons are available upon demand, it is also requested that field activities identify any unused pylons that may be located at the field sites and return them to NRC for refurbishment.

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